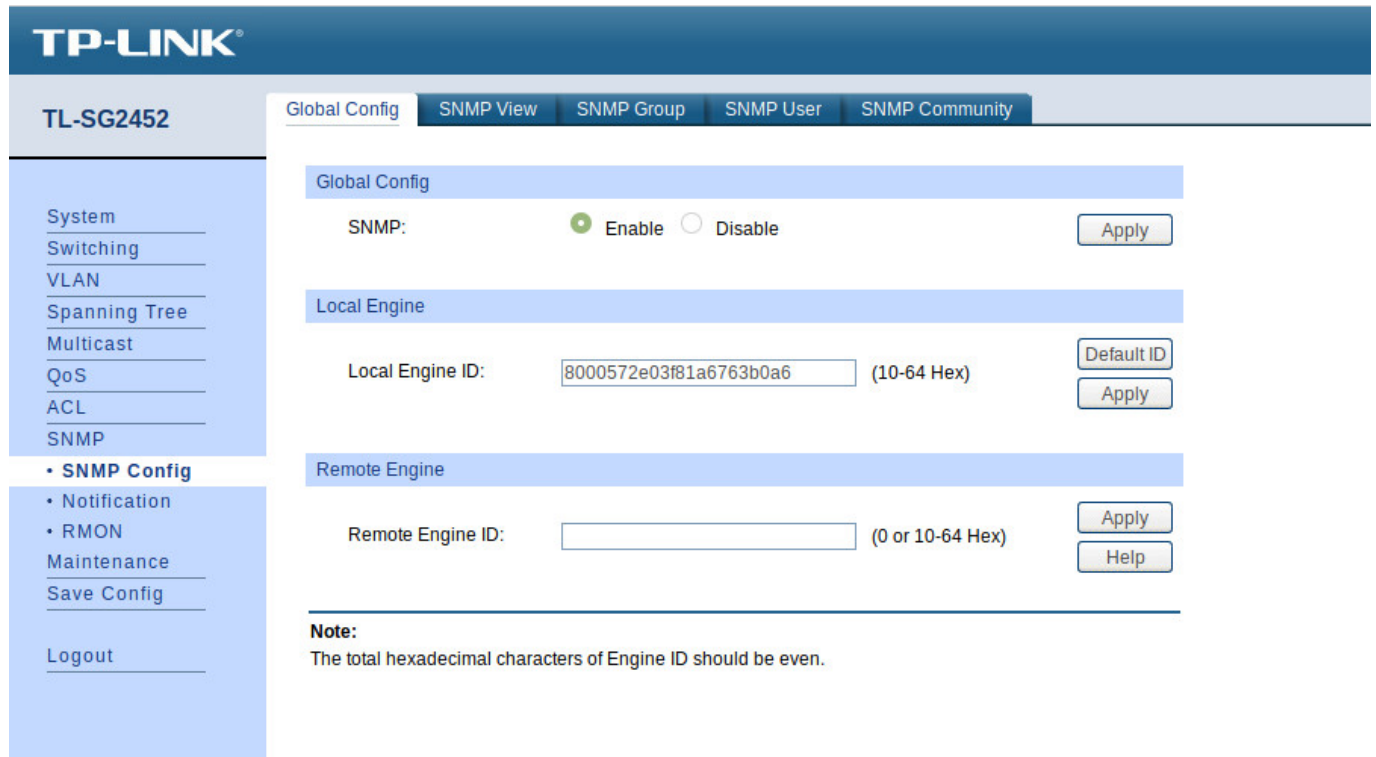


# Enabling SNMP on TP-Link TL-SG2452 switches

Go to the switch's web interface by typing its IP in the URL. Go to the menu « SNMP ⇒ SNMP Config ».

You will arrive on the tab « Global Config » :



The screenshot shows the TP-Link web interface for a TL-SG2452 switch. The top navigation bar includes 'Global Config', 'SNMP View', 'SNMP Group', 'SNMP User', and 'SNMP Community'. The left sidebar lists various configuration categories, with 'SNMP Config' expanded to show 'Notification' and 'RMON'. The main content area is titled 'Global Config' and contains three sections: 'Global Config' with an 'SNMP' toggle set to 'Enable' and an 'Apply' button; 'Local Engine' with a 'Local Engine ID' field containing '8000572e03f81a6763b0a6', a '(10-64 Hex)' label, a 'Default ID' button, and an 'Apply' button; and 'Remote Engine' with a 'Remote Engine ID' field, a '(0 or 10-64 Hex)' label, an 'Apply' button, and a 'Help' button. A 'Note' at the bottom states: 'The total hexadecimal characters of Engine ID should be even.'

Tick the « Enable » and click on « Apply ».

In the tab « SNMP View » :

The screenshot shows the TP-LINK TL-SG2452 web interface. The top navigation bar includes tabs for Global Config, SNMP View, SNMP Group, SNMP User, and SNMP Community. The left sidebar contains a menu with options like System, Switching, VLAN, Spanning Tree, Multicast, QoS, ACL, and SNMP. The main content area is titled 'View Config' and contains the following fields:

- View Name:  (16 characters maximum)
- MIB Object ID:  (61 characters maximum)
- View Type:  Include  Exclude

Below these fields is a 'View Table' with the following data:

Select	View Name	View Type	MIB Object ID
<input type="checkbox"/>	viewDefault	Include	1
<input type="checkbox"/>	viewDefault	Exclude	1.3.6.1.6.3.15
<input type="checkbox"/>	viewDefault	Exclude	1.3.6.1.6.3.16
<input type="checkbox"/>	viewDefault	Exclude	1.3.6.1.6.3.18

At the bottom of the table are buttons for 'All', 'Delete', and 'Help'.

Here you can create views, which are sets of rules for including or excluding MIB elements in our supervision via their OID. The « viewDefault » view includes OID 1, i.e. all the elements of this MIB (since it is a hierarchical system) except for the 3 excluded OIDs.

For this tutorial, we are going to use this « viewDefault ». You can therefore go directly to « [Ajouter une communauté SNMP](#) ».

## Add an SNMP community (SNMP v1/v2c)

In the « SNMP Community » :

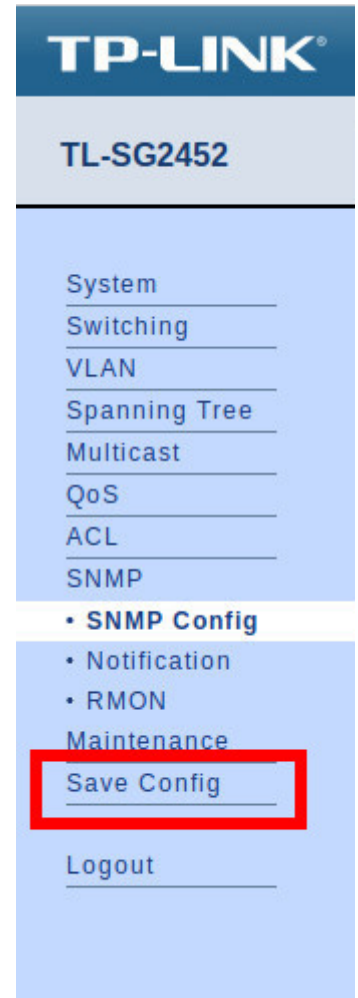
The screenshot shows the TP-Link web interface for a TL-SG2452 switch. The top navigation bar includes 'Global Config', 'SNMP View', 'SNMP Group', 'SNMP User', and 'SNMP Community'. The left sidebar lists various configuration categories, with 'SNMP' expanded to show 'SNMP Config', 'Notification', 'RMON', 'Maintenance', 'Save Config', and 'Logout'. The main content area is titled 'Community Config' and contains the following fields:

- Community Name:  (16 characters maximum)
- Access:
- MIB View:

Buttons for 'Create' and 'Clear' are located to the right of the fields. Below this is a 'Community Table' with columns for 'Select', 'Community Name', 'Access', 'MIB View', and 'Operation'. Below the table are buttons for 'All', 'Delete', and 'Help'. A 'Note' section states: 'The default MIB view of community is viewDefault.'

- Enter the name of the SNMP community.
- Choose the access type (leave « read-only » because ESIA does not use write).
- Choose the view to be used (here we are using the « viewDefault »).

Then click on « Create ».



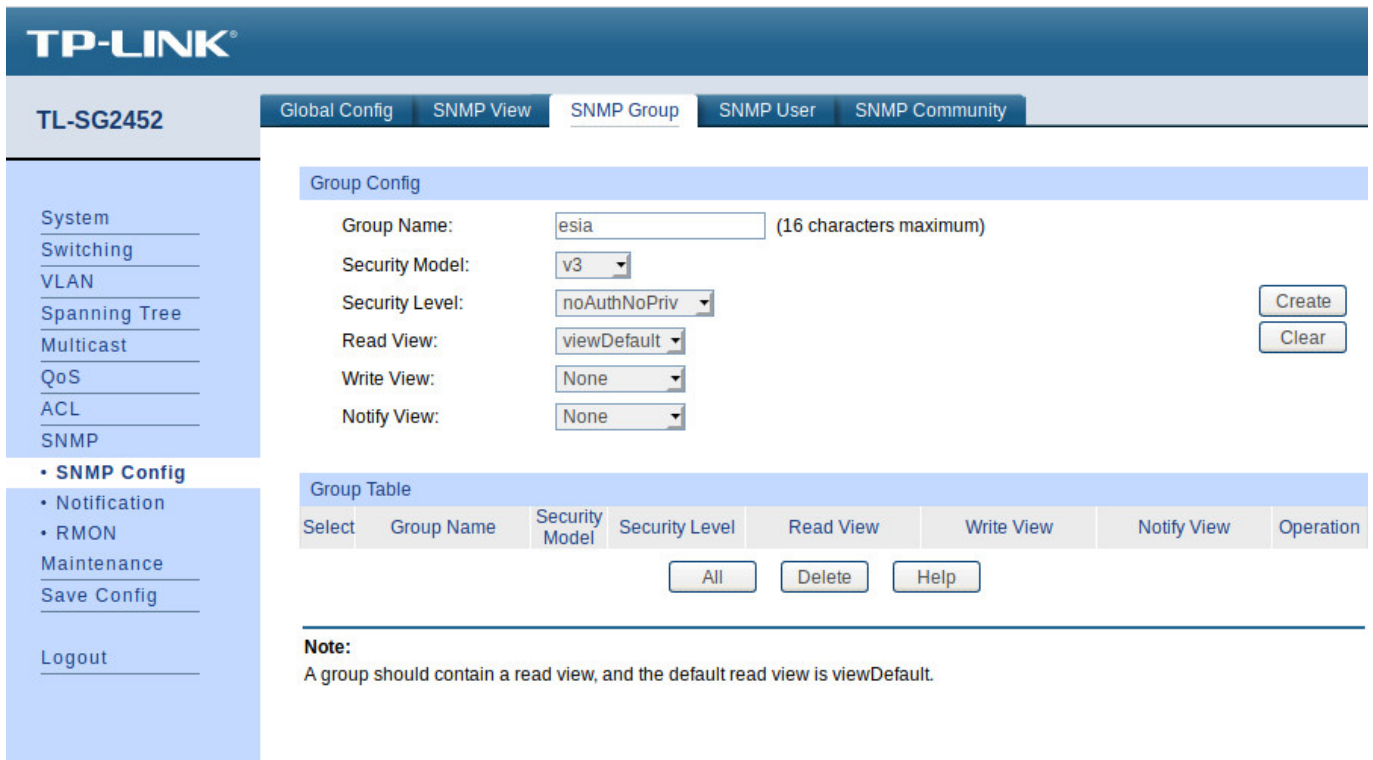
That's it, SNMP is now configured for versions v1 and v2c.

**Don't forget to click on « Save Config ».** Otherwise your configuration will be lost when the switch is rebooted.

## If you want to configure SNMP v3

It is not necessary to use SNMP v3 with ESIA. However, if you want to enable it, you should know that in ESIA you can only configure your nodes with SNMP v3 by adding them manually (See [Adding nodes manually](#)). Via a network scan, you can only configure in v1 or v2c.

Click on the « SNMP Group » :



**TP-LINK**

TL-SG2452

Global Config | **SNMP View** | SNMP Group | SNMP User | SNMP Community

**Group Config**

Group Name:  (16 characters maximum)

Security Model:

Security Level:

Read View:

Write View:

Notify View:

**Group Table**

Select	Group Name	Security Model	Security Level	Read View	Write View	Notify View	Operation
							<input type="button" value="All"/> <input type="button" value="Delete"/> <input type="button" value="Help"/>

**Note:**  
A group should contain a read view, and the default read view is viewDefault.

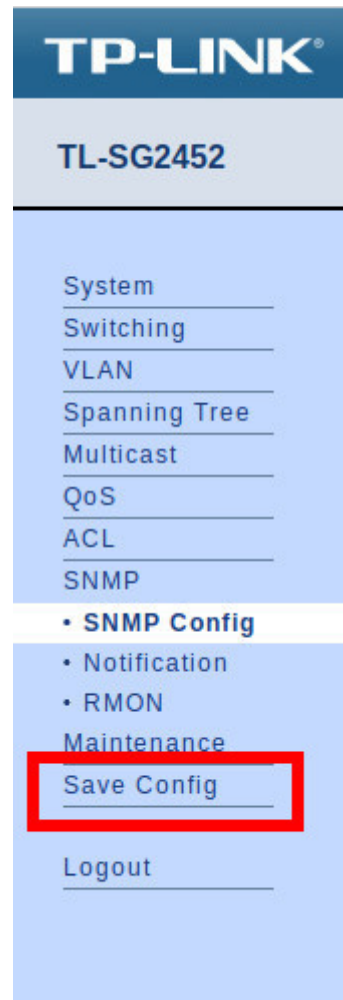
- Give the group a name.
- Choose the SNMP version (v3).
- Choose the security mode.
  - noAuthNoPriv: no security.
  - AuthNoPriv: authentication by user and password.
  - AuthPriv: authentication by user and password + encrypted communication.
- Choose the view to be used for « Read, Write et Notify » access (here we are using the « viewDefault » Read only).

Then click on « Create ».

Click on the « SNMP User » :

1. Give the user a name.
2. Choose the user type (Local User).
3. Choose the SNMP version (v3).
4. Choose the group name (the one created previously and linked to the view you wish to use).
5. Select the security mode.
6. If security mode « Auth » is selected, choose the Hash algorithm to use (MD5 or SHA).
7. Enter a password for authentication.
8. If security mode « Priv » is selected, choose the encryption mode (this switch only offers DES encryption).
9. Enter a password for encryption.

Then click on « Create ».



That's it, SNMP is now configured for version v3.

**Don't forget to click on « Save Config ».** Otherwise your configuration will be lost when the switch is rebooted.

For more information on TP-Link TL-SG2452 switches: [See TP-Link TL-SG2452 support.](#)

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